

# Comparisons of Job Characteristics

**Focus Occupation: Forensic Science Technicians (19-4092)**

**Associated Occupation: Fire Inspectors and Investigators (33-2021)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 77

**Focus Occupation: Forensic Science Technicians (19-4092)**  
**Associated Occupation: Fire Inspectors and Investigators (33-2021)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Public Safety and Security	6.9	19.2	12.0	<< Extensive education and/or training may be required
Customer and Personal Service	11.3	17.8	16.2	0 Current knowledge level may be sufficient
Law and Government	5.9	16.4	12.9	<< Extensive education and/or training may be required
Education and Training	9.2	15.2	12.0	<< Extensive education and/or training may be required
Building and Construction	4.0	13.8	2.0	<< Extensive education and/or training may be required
Clerical	7.3	12.5	12.9	0 Current knowledge level may be sufficient
Chemistry	4.8	12.2	13.1	0 Current knowledge level may be sufficient
Physics	4.3	9.6	6.9	<< Extensive education and/or training may be required
Telecommunications	3.9	7.0	4.2	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 92

**Focus Occupation: Forensic Science Technicians (19-4092)**  
**Associated Occupation: Fire Inspectors and Investigators (33-2021)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Active Listening	11.0	13.2	13.0	0 Current skill level may be sufficient
Judgment and Decision Making	9.4	11.4	10.1	< A higher skill level may be required

Science	4.5	8.9	9.8	>	Skill level is likely sufficient
Quality Control Analysis	5.9	8.4	4.5	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Forensic Science Technicians (19-4092)

Associated Occupation: Fire Inspectors and Investigators (33-2021)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	14.9	14.4	0	Current ability level may be sufficient
Inductive Reasoning	10.2	14.5	14.3	0	Current ability level may be sufficient
Flexibility of Closure	7.8	13.5	16.0	>	Current ability level is likely sufficient
Far Vision	7.8	11.5	12.5	0	Current ability level may be sufficient
Perceptual Speed	7.4	11.0	11.1	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	10.9	10.1	0	Current ability level may be sufficient
Speed of Closure	5.9	9.3	11.2	>	Current ability level is likely sufficient
Glare Sensitivity	2.6	5.5	4.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 78

Focus Occupation: Forensic Science Technicians (19-4092)

Associated Occupation: Fire Inspectors and Investigators (33-2021)

Work Activities	Exclusivity of Activity
Analyze existing evidence or facts	69
Communicate technical information	4
Compile evidence for court actions	78
Cooperate with court personnel or other law enforcement agencies	81
Gather physical evidence	76
Maintain records, reports, or files	5
Make decisions	24
Operate cameras	74
Prepare reports	8
Test materials or solutions	73
Testify in court for accident and criminal cases	78
Use interviewing procedures	23
Use knowledge of investigation techniques	16

Use knowledge of materials testing procedures	70
Use oral or written communication techniques	1

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Forensic Science Technicians (19-4092)**  
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### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.